Figure 7 shows the tocolytic effect of THG113.31 in an endotoxin model of mouse preterm labor. 7A shows the mean time (h) of delivery after LPS administration. Figure 7B shows the percentage of animals delivered at 15, 24, 48 and 72 h after LPS administration.

8A and %B show the specificity of Figures THG113.706 towards FP receptor in contractility assays.

Figure 9 shows the tocolytic effect of THG113.706 in an endotoxin model of mouse preterm labor. 9A and 9B show the number of animals delivered after 15 h (left panel) and between 24 and 48 h (right panel) administration. 9C after LPS Figure inhibition (% of maximal contraction produced by 100 nM 15 $PGF_{2\alpha}$) by a dose range of THG113.823-5 in porcine eye cup assays.

Detailed Description of the Invention

10

25

With a view to provide specific antagonists of FP receptor, screening of short D-peptide libraries was in vivo assays of microvascular conducted ex contraction. Based on this screening, a peptide, THG 113 (SEQ ID NO. 1, Table 4) was selected. In order to identify a more potent analogue of THG113, different amino acid substitutions were made and the biological effects of these substitutions were determined in microvascular contractility assays. From these experiments, several potent analogues of THG113 were identified.